

2nd Lecture series on 'Cloud Physics'
Indian Institute of Tropical Meteorology, Pune
25 -26 July 2018

Indian Institute of Meteorology (IITM) is involved in cloud microphysics and dynamics studies with airborne and ground-based observations of clouds and their environment. Observations in combination with fundamental modelling studies provide insights into key physical processes and their linkages. The proposed lecture series aims at understanding of cloud and precipitation process by applying current state of the art approaches to observe, simulate, and identify key uncertainties.

Dr. Andrea Flossmann, president, Dr. Greg McFarquhar, vice-president, International Commission on Clouds and Precipitation (ICCP) will be visiting IITM during 23-27 July 2018. During their visit, two days lecture series is planned in the topic “ ice microphysics “

Dr. Andrea Flossmann, (LAMP, Campus universitaire des Cezeaux , France) will give following lectures

"Modelling of cloud physics properties and comparison with observations" including two recent research subjects: "intense precipitation" and "isotopes"

Student oriented lectures:

1. " Microphysics of clouds and precipitation"
2. " Modelling of clouds"

Dr. Greg McFarquhar, (Director, Cooperative Institute for Mesoscale Meteorological Studies (CIMMS), Professor, School of Meteorology, The University of Oklahoma, USA) will give a talk on

“Recent Observational Campaigns over the Southern Oceans Examining the Roles of Clouds, Aerosols and Radiation in the Climate System: SOCRATES and MARCUS”

Student oriented lectures:

1. "Use of In-Situ Observations for Quantifying Ice Cloud Microphysical Properties and Processes, and their Uncertainties"
2. "Cirrus Cloud Impacts on Radiation and Climate from In-Situ Observations"

Course coordinator:

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